PN - DE10049182 A 20010517

PD - 2001-05-17

PR - SE19990035925 19991005

OPD - 1999-10-05

TI - Computerized control of industrial process involves measuring process fault, predicting future deviations in process variables related to fault, generating control signal using control rule

AB - The method involves measuring process variable values, predicting future deviations of a process variable relative to the measured value, generating a control signal based on the prediction with a first control rule, measuring a process fault, predicting future deviations in process variables related to the fault without recourse to the measured value and generating a control signal based on the prediction with a second control rule. The method involves measuring the values of at least one process variable, predicting future deviations of a process variable relative to the measured value of the variable(s), generating a control signal based on the prediction with a first control rule, measuring a measurable fault in the process, predicting future deviations in process variables related to the fault, but without recourse to the measured value of the process variable(s), and generating a control signal based on the prediction with a second control rule. Independent claims are also included for the following: a computerized system for controlling an industrial process and a computer program code element.

IN - LUNDH MICHAEL (SE);MOLANDER MATS (SE)

PA - ABB AB VAESTERAS (SE)

EC - G05B13/04D ; B01J19/00B

IC - G05B19/048 ; G05B15/00 ; B01J19/00

TI - Computerized control of industrial process involves measuring process fault, predicting future deviations in process variables related to fault, generating control signal using control rule

PR - SE19990003592 19991005

PN - SE520370 C2 20030701 DW200350 G05B13/02 000pp
- DE10049182 A1 20010517 DW200133 G05B19/048 007pp
- SE9903592 A 20010406 DW200133 G05B13/02 000pp

PA - (ALLM) ABB AB

IC - B01J19/00 ;G05B13/02 ;G05B15/00 ;G05B15/02 ;G05B19/048

IN LUNDH M; MOLANDER M

AB - DE10049182 NOVELTY - The method involves measuring process variable values, predicting future deviations of a process variable relative to the measured value, generating a control signal based on the prediction with a first control rule, measuring a process fault, predicting future deviations in process variables related to the fault without recourse to the measured value and generating a control signal based on the prediction with a second control rule.

- DETAILED DESCRIPTION - The method involves measuring the values of at least one process variable, predicting future deviations of a process variable relative to the measured value of the variable(s), generating a control signal based on the prediction with a first control rule, measuring a measurable fault in the process, predicting future deviations in process variables related to the fault, but without recourse to the measured value of the process variable(s), and generating a control signal based on the prediction with a second control rule. INDEPENDENT CLAIMS are also included for the following: a computerized system for controlling an industrial process and a computer program code element.
- USE - For controlling an industrial process.
- ADVANTAGE - Enables a process to be controlled in relation to a measurement of a measurable fault in the process, especially to facilitate adaptation of a special control system for a given process in relation to conflicting requirements for speed and stability.
- (Dwg.0/1)

OPD - 1999-10-05

AN - 2001-309251 [33]